CLAIMS

1. A fluid handling combination assembly comprising:

a housing for receiving a tube;

a collet retainer received within said housing, said collet retainer extending generally circumferentially around a central axis, with an expansion gap at one circumferential location, said collet retainer being provided with self-centering structure for ensuring said collet retainer is generally centered about a central axis of said housing; and

a tube held within said housing by having an upset portion positioned inwardly of said collet retainer.

2. An assembly as set forth in claim 1, wherein said collet retainer self-centering structure includes a leg extending axially inwardly, and received within a channel to center said collet retainer.

3. An assembly as set forth in claim 2, wherein a pilot is positioned axially inwardly of said collet retainer, said pilot member including said channel for receiving said leg, and centering said collet retainer.

4. An assembly as set forth in claim 1, wherein said collet has a ramped angled inwardly facing surface, said ramped inwardly facing surface coming into contact with a cam surface when a tube is moved to bring said collet retainer axially into said housing, said cam surface causing said ramped inwardly facing angled surface of said collet retainer to cam radially outwardly and assist radial expansion of said collet retainer as a tube is moved into said housing.

5. An assembly as set forth in claim 4, wherein said cam surface is on a pilot positioned inwardly of said collet retainer.

6. A fluid handling combination assembly comprising:

a housing for receiving a tube;

a collet retainer received within said housing, said collet retainer extending generally circumferentially around a central axis, but having an expansion gap at one circumferential location, said collet retainer being provided with self-centering structure for ensuring said collet retainer is generally centered about a central axis of said housing;

a tube held within said housing by having an upset portion positioned inwardly of said collet retainer; and

said collet has a ramped angled inwardly facing surface, said ramped inwardly facing surface coming into contact with a cam surface when a tube is moved to bring said collet retainer axially into said housing, said cam surface causing said ramped inwardly facing angled surface of said collet retainer to cam radially outwardly and assist radial expansion of said collet retainer as a tube is moved into said housing.

7. An assembly as set forth in claim 6, wherein said cam surface is on a pilot positioned inwardly of said collet retainer.